

What Is Claimed Is:

1. A diffuser for an air mass flow controller for fuel cells, the diffuser comprising:
 - a housing having walls defining a volume;
 - an inlet disposed along a first axis, the inlet coupled to a first one of the walls;
 - a first bank of outlets disposed along a second axis, the first bank of outlets coupled to a second one of the walls and being in fluid communication with the inlet;
 - and
 - a second bank of outlets disposed along a third axis, the second bank of outlets coupled to the second wall and being in fluid communication with the inlet and the first bank of outlets.
2. The diffuser of claim 1, wherein the inlet comprises a cylindrical tube.
3. The diffuser of claim 1, wherein the volume defined by the housing is rectangular.
4. The diffuser of claim 1, wherein the first wall is disposed opposite the second wall.
5. The diffuser of claim 1, wherein the first bank of outlets is offset from the second bank of outlets.
6. The diffuser of claim 1, wherein the first bank of outlets comprises cylindrical tubes.
7. The diffuser of claim 6, wherein inlet portions of the first bank of outlets protrude into an interior of the housing.
8. The diffuser of claim 7, wherein ends of the inlet portions of the first bank of outlets include radii.
9. The diffuser of claim 1, wherein the second bank of outlets comprises cylindrical tubes.

10. The diffuser of claim 9, wherein inlet portions of the second bank of outlets protrude into an interior of the housing.

11. The diffuser of claim 10, wherein ends of the inlet portions of the second bank of outlets include radii.

12. A method of providing laminar and equally distributed airflow through a diffuser having walls defining a volume, an inlet coupled to a first one of the walls and being disposed along a first axis, first and second banks of outlets coupled to a second one of the walls, the first bank of outlets disposed along a second axis and being in fluid communication with the inlet, the second bank of outlets disposed along a third axis and being in fluid communication with the inlet and the first bank of outlets, the method comprising:

flowing air through the inlet;
flowing air through an interior of the housing; and
directing air through the first and second banks of passages.

13. The method of claim 12, wherein the inlet comprises a cylindrical tube.

14. The method of claim 12, wherein the volume defined by the housing is rectangular.

15. The method of claim 12, wherein the first wall is positioned opposite the second wall.

16. The method of claim 12, wherein the first bank of outlets is offset from the second bank of outlets.

17. The method of claim 12, wherein the first bank of outlets comprises cylindrical tubes.

18. The method of claim 17, wherein inlet portions of the first bank of outlets protrude into an interior of the housing.

19. The method of claim 18, wherein ends of the inlet portions of the first bank of outlets include radii.

20. The method of claim 12, wherein the second bank of outlets comprises cylindrical tubes.

21. The method of claim 20, wherein inlet portions of the second bank of outlets protrude into the interior of the housing.

22. The method of claim 21, wherein ends of the inlet portions of the second bank of outlets include radii.